



# OAK

## SUPPLEMENT

# PHOTOGRAPHIC INTERPRETATION REPORT

23 JULY - 10 AUGUST 1970

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Talent-Keyhole  
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**TOP SECRET**

TCS-20345/70

AUGUST 1970

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**WARNING**

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**TARGET CATEGORIES  
AND  
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- |  |   |
|--|---|
| 1. STRATEGIC SSM<br>Deployed Strategic SSM Facilities (A)  | 7. GROUND<br>Ground Force Facilities (G)  |
| 2. MISSILE RANGES<br>Missile Ranges: Strategic SSM/Space Facilities (P)<br>Missile Ranges: Air-Launched Missile Facilities (Q)<br>Missile Ranges: Naval-Launched Missile Facilities (R)<br>Missile Ranges: Tactical SSM Facilities (S)<br>Missile Ranges: SAM/AMM Facilities (T) | 8. TACTICAL SSM<br>Deployed Tactical SSM Facilities (H)   |
| 3. AIR DEFENSE MISSILES<br>Deployed AMM Facilities (B)<br>Deployed SAM Facilities (D)  | 9. LOGISTICS<br>Military Logistics Facilities (K)   |
| 4. ELECTRONICS/COMMUNICATIONS<br>Deployed Communication/Electronic/Radar Facilities (C)  | 10. NUCLEAR ENERGY<br>Atomic Energy Facilities (O)  |
| 5. AIR<br>Air Base Facilities (E)  | 11. CBR<br>CBR Facilities (V)   |
| 6. NAVAL<br>Naval Base Facilities (F)  | 12. INDUSTRY<br>Strategic Weapons Industrial Facilities (J)<br>General Purpose Weapons Industrial Facilities (L)<br>Non-Military Industrial Facilities (N)<br>Communication/Electronic/Radar R&D Facilities (U) |
|  | 13. MISCELLANEOUS<br>Non-Military Logistics Facilities (M)<br>Miscellaneous/Unidentified Facilities (Z)   |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS IS THE FIFTH OAK SUPPLEMENT REPORT ON MISSION 1111.  
FOR ADDITIONAL PREFACE DETAILS, SEE FIRST OAK SUPPLEMENT.

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25X1D

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CHINA, COMMUNIST  
MISSILE RANGES

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25X1D SIGNIFICANT RESULTS 25X1A  
KAN-SHA-HO POSS MSL INSTR SITE SEARCH  
[REDACTED] [REDACTED]

25X1A  
25X1D 25X1D  
41-46- [REDACTED] N 088-27- [REDACTED] E

STATUS: NEGATED

REMARKS:  
NO MISSILE INSTRUMENT SITE WAS OBSERVED.

25X1D

25X1D

25X1D SHUANG-CHENG-TZU MISSILE TEST CENTER  
[REDACTED] [REDACTED]

41-08- [REDACTED] N 100-15- [REDACTED] E

25X1A

STATUS: OPERATIONAL

25X1A

REMARKS:  
THE ENTIRE TEST CENTER WAS OBSERVED. A NEW TRACKING FACILITY, DESIGNATED TRACKING FACILITY 24, WAS OBSERVED UNDER CONSTRUCTION AT THE END OF A RAIL SPUR, APPROXIMATELY 5 NM SE OF INSTRUMENTATION SITE 18. THE SITE CONTAINS SEVERAL STRUCTURES, INCLUDING A LARGE H-SHAPED INSTRUMENTATION BUILDING WITH THREE RING BASES ON THE ROOF FOR ENVIRONMENTAL DOMES, AND TWO MASONRY TOWERS, AND IS SIMILAR TO TRACKING FACILITIES 21, 22, AND 23. IN ADDITION, TWO NEW AIRDROP MARKERS WERE OBSERVED. ONE OF THESE, A CROSS WITHIN A CIRCLE, IS APPROXIMATELY 2 NM SSE OF SHUANG-CHENG-TZU MAIN AIRFIELD. THE OTHER, A CROSS WITH FOUR CORNER TICKS, IS APPROXIMATELY 8 NM SSW OF L INSTRUMENTATION PATTERN SITE NORTH. SEVERAL LIGHT-TONED SPOTS, WHICH APPEAR TO BE BOMB CRATERS, SURROUND THIS MARKER.

OTHER RESULTS-NO APPARENT CHANGE

25X1D SHUANG-CHENG-TZU MTC SSM TRKNG FAC 1  
[REDACTED] NAC

25X1A 41-19- [REDACTED] N 100-21- [REDACTED] E

25X1D 25X1D  
25X1A

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25X1A

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CHINA, COMMUNIST  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

CHUNG-AN AIRFIELD

25X1A

25X1D

25X1D

25X1A

27-42- N 118-00- E

STATUS: OPERATIONAL

REMARKS:

A PREVIOUSLY UNREPORTED AIRCRAFT DISPERSAL AREA (CONNECTED BY TAXIWAY TO THE NE END OF RUNWAY) WITH TEN REVETTED HARDSTANDS IS 2 NM NORTH OF THE CENTER OF THE RUNWAY.

25X1D

AIR ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

25X1D

HSU-CHANG AIRFIELD

NAC

25X1A 34-01- N 113-42- E

25X1D

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:  
10 POSS AIRCRAFT (AT LEAST)

25X1A

25X1D

MAN-SHUI AIRFIELD

25X1A

36-30- N 103-36- E

25X1D

STATUS: UNDER CONSTRUCTION

25X1D

PHYSICAL DESCRIPTION:

9.8 NM SSW OF MAN-SHUI.  
THE 3,475 X 52-METER (11,400 X 170-FOOT) SERVICEABLE CONCRETE RUNWAY WITH A PARALLEL TAXIWAY, TWO ALERT APRONS, TWO PARKING APRONS, THREE CROSSOVER LINKS, AND TWO END-CONNECTING LINKS WERE COMPLETE. TWO LADDER-TYPE FUELING POINTS WERE UNDER CONSTRUCTION. THE SUPPORT FACILITIES WERE UNDER CONSTRUCTION.



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25X1D

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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

SIGNIFICANT RESULTS

ALEYSK ICBM COMPLEX

25X1A

25X1D

25X1D

52-23- N 082-39- E

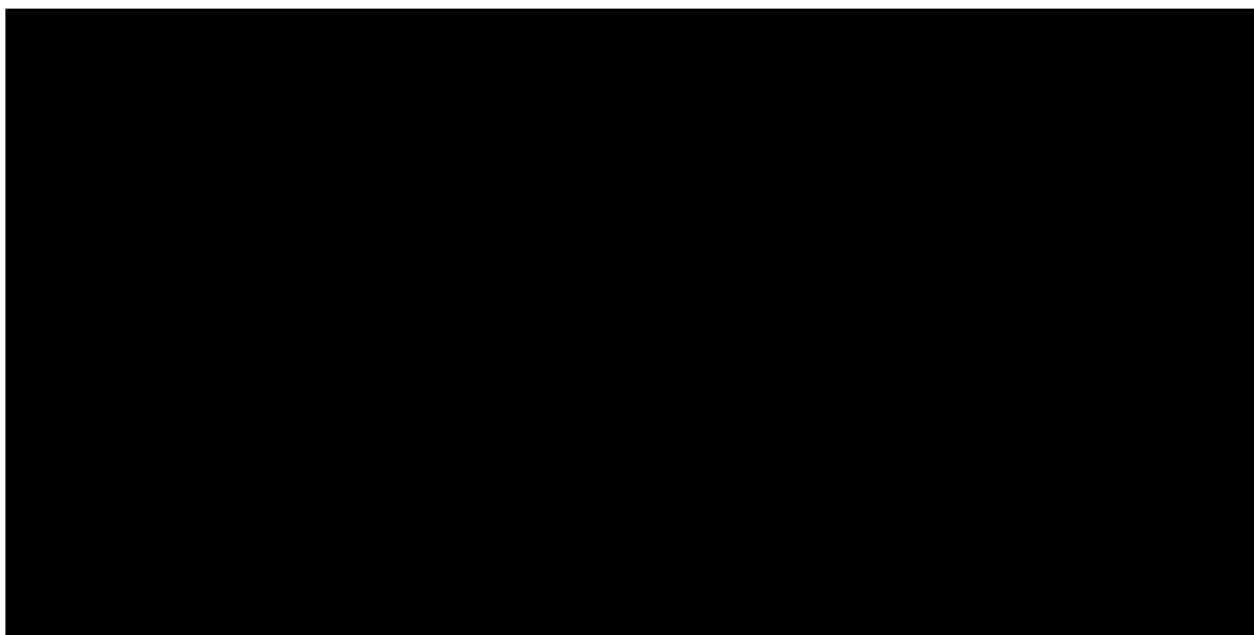
STATUS: OPERATIONAL

25X1A

REMARKS:

25X1D

ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. ON A  
PROBABLE PROPELLANT LOADING EXERCISE WAS OBSERVED AT TRAINING  
SITE 14X. TWO POSSIBLE PROPELLANT TRANSPORTERS AND TEN  
VEHICLES OR PIECES OF EQUIPMENT WERE ON THE SILO APRON IN FRONT  
OF THE SILO. LAUNCH SITES 27E, 28E, AND 30E WERE OBSERVED IN  
THE LATE STAGE OF CONSTRUCTION.



25X1D

25X1D

DERAZHNYA MRBM COMPLEX

25X1A

49-23- N 027-27- E

STATUS: OPERATIONAL

25X1D

25X1A

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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

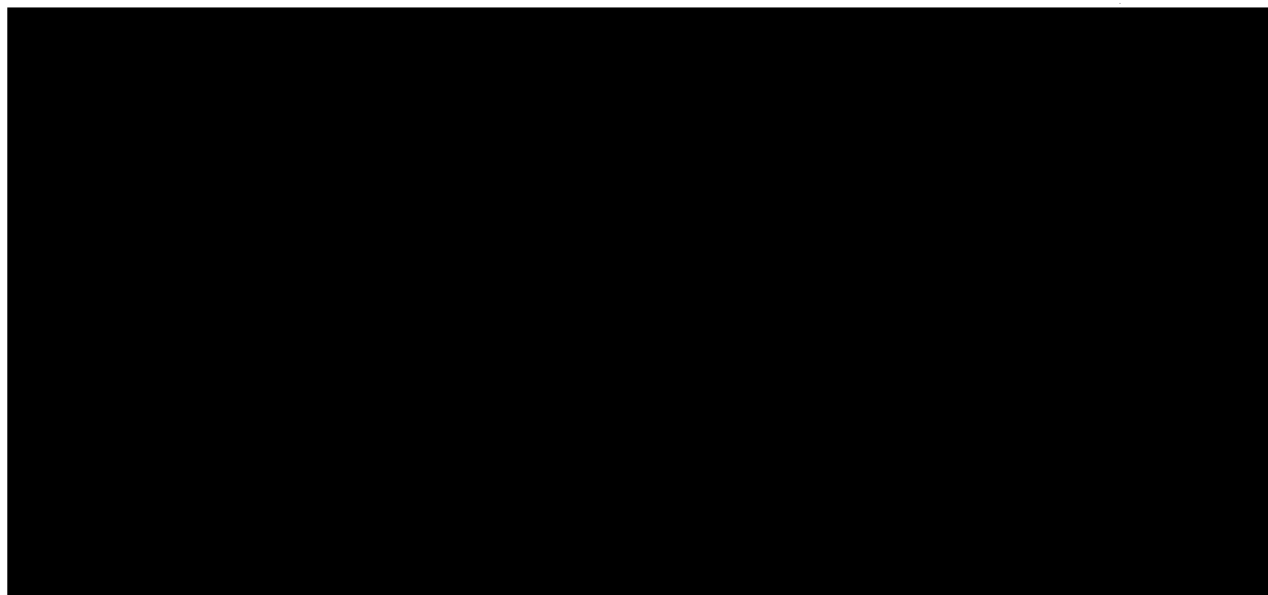
REMARKS:

ALL ELEMENTS OF THE COMPLEX WERE OBSERVED. EIGHT TYPE IIID LAUNCH SITES WERE NEWLY IDENTIFIED AND WERE REPORTED IN THE OAK FOR THIS MISSION. POSSIBLE LAUNCH SITES 5D, 36D, AND 48F ARE NOW CONFIRMED LAUNCH SITES. LAUNCH SITES 47 AND 53 ARE IN E GROUP, AND SITE 53E (RATHER THAN SITE 40E) IS THE E GROUP CONTROL SITE. SIXTY LAUNCH SITES IN SIX LAUNCH GROUPS HAVE NOW BEEN IDENTIFIED. A NEW ROAD AND TWO CLEARINGS, ONE WITH UNIDENTIFIED ACTIVITY, HAVE BEEN CONSTRUCTED SINCE [REDACTED] NEAR MRBM LAUNCH SITE 3. THE ORIENTATION OF THE CLEARING WITH ACTIVITY IS APPROXIMATELY THE SAME AS THE ORIENTATION OF EXISTING TYPE IIID LAUNCH SITES. LAUNCH SITES 5D, 34D, 35D, 36D, 45D, AND 48F WERE IN MIDSTAGES OF CONSTRUCTION. LAUNCH SITE 15B, 16B, 20B, 21B, 22B, 4C, 28C, 29C, 31C, 32C, AND 37C ARE NOW COMPLETE. ALL SITES IN LAUNCH GROUPS A, B, AND C ARE NOW COMPLETE. CONSTRUCTION CONTINUED AT THE RAIL-TO-ROAD TRANSFER POINT. PROBABLE MISSILE CARS AND PROPELLANT RAIL CARS WERE AT THE RAIL-TO-ROAD TRANSFER POINT. MISSILE EQUIPMENT WAS VISIBLE AT ALL THREE SITES, INCLUDING PROBABLE SS-4 OXIDIZER TRANSPORTERS AT LAUNCH SITE 3. AN SS-4 MISSILE EXERCISE WAS OBSERVED ON THE NORTHERN PAD AT MRBM LAUNCH SITE 2 ON [REDACTED] INCLUDING AN ERECTED MISSILE, AN ERECTOR, A TRANSPORTER, AND PROPELLANT TRANSPORTERS.

25X1D

25X1D

25X1D



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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

25X1A

25X1A

TAMBOV MISSILE SUPPORT FACILITY

25X1D

25X1D

52-27- N 041-27- E

STATUS: OPERATIONAL

25X1D

25X1D

REMARKS:

CONSTRUCTION CONTINUES ON THE BUILDINGS AT THE NW CORNER OF THE FACILITY OUTSIDE THE SECURITY FENCE. THE WESTERNMOST BUILDING APPEARED TO BE EXTERNALLY COMPLETE. CLEARING OF VEGETATION FOR AN EXTENSION OF THE SECURITY FENCE WAS IN PROGRESS. THE AMOUNT OF EQUIPMENT PRESENT ON [REDACTED] APPEARED TO BE EQUAL TO OR SLIGHTLY GREATER THAN THE AMOUNT PRESENT IN [REDACTED]

25X1D

25X1D

25X1D

25X1D

TAURAGE MRBM COMPLEX  
[REDACTED] NAC

25X1A

55-07- N 022-19- E

STATUS: OPERATIONAL

REMARKS:

PORTIONS OF LAUNCH SITES 1 AND 2 AND FIXED FIELD SITE 1 WERE VISIBLE. FIXED FIELD SITES 2 AND 3 AND THE COMMUNICATIONS FACILITY WERE IDENTIFIED ONLY. POSSIBLE ERECTORS WERE OBSERVED ON THE PADS AT LAUNCH SITES 1 AND 2. EIGHT OXIDIZER TRANSPORTERS WERE VISIBLE AT BOTH LAUNCH SITES.

25X1D

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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1A

25X1D

YURYA ICBM COMPLEX

25X1A

25X1D

25X1D

59-11- N 049-30- E

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED. LAUNCH  
SITES 1 AND 9 WERE ONLY PARTIALLY OBSERVED THROUGH SCATTERED  
CLOUDS. NO SIGNIFICANT ACTIVITY WAS OBSERVED.

25X1D

25X1D

25X1A

25X1A

25X1D

25X1D

ZHANGIZ-TOBE ICBM COMPLEX

49-13- N 081-09- E

STATUS: OPERATIONAL

25X1D

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED. THIS  
INCLUDED THE TWO NEWLY IDENTIFIED LAUNCH SITES, 55I AND 56I,  
WHICH WERE REPORTED IN THE OAK. LAUNCH SITE 46G WAS OBSERVED  
IN THE LATE STAGE OF CONSTRUCTION. ON [REDACTED] THREE LAUNCH  
GROUPS REMAINED UNDER CONSTRUCTION. ALL LAUNCH SITES IN LAUNCH  
GROUP G WERE IN THE LATE STAGE, ALL LAUNCH SITES IN LAUNCH  
GROUP H WERE IN THE MIDSTAGE, AND ALL LAUNCH SITES IN LAUNCH  
GROUP I WERE IN THE EARLY STAGE.

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25X1D

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SOVIET UNION  
MISSILE RANGES

25X1A

25X1A

25X1D

### SIGNIFICANT RESULTS

25X1D

25X1D

SARY-SHAGAN ASAT/SPACE TRKNG RADAR FAC  
[REDACTED]

46-36- [REDACTED] N 074-31- [REDACTED] E

STATUS: OPERATIONAL

#### REMARKS:

CONSTRUCTION ON DUAL HEN HOUSE RADAR E HAS CONTINUED. BOTH  
TERMINAL BUILDINGS OF THE LEFT ANTENNA BUILDING HAVE BEEN  
COVERED, AND MOVEMENT OF CONSTRUCTION MATERIALS IN THE VICINITY  
INDICATES CONTINUED ACTIVITY ON THE ANTENNA BUILDING. THE  
FRAMEWORK OF THE INBOARD TERMINAL BUILDING OF THE RIGHT ANTENNA  
IS PROBABLY COMPLETE, AND INITIAL COVERING WAS UNDERWAY. THERE  
WAS NO APPARENT CHANGE IN THE RIGHT ANTENNA BUILDING, THE FOUR  
ORIGINAL DUAL HEN HOUSE RADARS, OR THE SUPPORT FACILITIES.

25X1D

25X1D

25X1D

25X1D

SARY-SHAGAN MISSILE TEST CENTER  
[REDACTED]

46-11- [REDACTED] N 072-41- [REDACTED] E

STATUS: OPERATIONAL

25X1A

25X1A

#### REMARKS:

THE ENTIRE TEST CENTER WAS COVERED BY PHOTOGRAPHY OF GENERALLY  
FAIR INTERPRETABILITY.

AT LAUNCH COMPLEX A, ALL FACILITIES OF THE COMPLEX APPEARED TO  
BE OCCUPIED.

AT LAUNCH COMPLEX B, THE TWO MISSILE TRANSPORTERS AND THREE  
PIECES OF MISSILE HANDLING EQUIPMENT REMAINED AT LAUNCH  
POSITION B1. AT LAUNCH POSITION B3, SEVERAL VEHICLES OR PIECES  
OF EQUIPMENT WERE PARKED NEAR WHERE THE LAUNCHER ERECTOR WAS  
PREVIOUSLY INSTALLED.

IN THE OPERATIONAL SUPPORT BASE, FOUR GALOSH CANISTERS WERE  
UNDER THE CONDUIT ON THE GALOSH SERVICE APRON AT THE EXPLOSIVES  
AND SOLID PROPELLANT STORAGE AND HANDLING FACILITY.

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SOVIET UNION  
MISSILE RANGES

AT LAUNCH COMPLEX D, IN THE MODIFIED TRY ADD AREA, THE UPPER TWO SECTIONS OF THE RADOME REMAINED ON THE GROUND BESIDE BUILDING A. IN THE LAUNCH AREA CONCRETE WAS BEING LAID AROUND LAUNCH POSITIONS D1 AND D2.

AT LAUNCH COMPLEX B04-5, ALL 12 LAUNCH POSITIONS, THE TRACKING AND GUIDANCE FACILITY, AND THE AIR WARNING RADAR FACILITY WERE OCCUPIED.

25X1D

25X1D AT LAUNCH COMPLEX F, THE PROBABLE THIRD GALOSH-TYPE LAUNCH POSITION AT LAUNCH SITE 1 REPORTED UNDER CONSTRUCTION AND OCCUPIED BY AN UNIDENTIFIED OBJECT [REDACTED] WAS UNOCCUPIED [REDACTED] SOUTH OF THIS POSITION A SMALL EXCAVATION WAS OBSERVED ADJACENT TO THE SITE SERVICE ROAD. THE TWO POSSIBLE LAUNCH POSITIONS IN THE AREA ADJACENT TO LAUNCH SITE 1 AND THE WIDE-RADIUS-TURN, OVAL-SHAPED ROAD SERVING THEM HAD BEEN HARD-SURFACED. UNIDENTIFIED CONSTRUCTION ACTIVITY WAS OBSERVED ALONG THE WESTERN SECTION OF THIS SERVICE ROAD. A BUILDING ASSOCIATED WITH ONE OR BOTH OF THESE POSITIONS WAS PROBABLY COMPLETE AND REVETTED ON AT LEAST ONE SIDE FACING ONE OF THE POSSIBLE LAUNCH POSITIONS. TWO LARGE UNIDENTIFIED AREAS WERE PREVIOUSLY OBSERVED ALONG THE BASE OF THE T-SHAPED ROAD JUST EAST OF THE TWO POSSIBLE LAUNCH POSITIONS. THE NORTHERNMOST AREA IS HARD-SURFACED AND CONTAINS AT LEAST TWO SMALL COMPLETED BUILDINGS. THE OTHER AREA CONTAINS ONE SMALL COMPLETED BUILDING AND A SECOND PROBABLE BUILDING WHICH WAS IN AN EARLY STAGE OF CONSTRUCTION. AN EARTH-GRADED PAD, SERVED BY WIDE-RADIUS ACCESS TURNS AT EACH END, WAS UNDER CONSTRUCTION IN AN AREA OF PREVIOUS SCARRING ADJACENT TO THE SOUTHEASTERN SEGMENT OF THE T-SHAPED ROAD. EXTENSIVE NEW GRADING WAS OBSERVED AT THE NORTHWESTERN END OF THIS SAME ROAD. CONSTRUCTION OF THE GUARDHOUSE, AT THE ENTRANCE TO THE LARGE, NEWLY SECURED AREA WITHIN LAUNCH COMPLEX F, IS COMPLETE. RENEWED BUILDING CONSTRUCTION AT ABANDONED GRIFFON LAUNCH SITE 6 WAS PROGRESSING SLOWLY. ELECTRONICS SITE C CONTROL CENTER AND THE CONCRETE APRON ADJACENT TO POSITION C3 REMAINED OCCUPIED.

25X1D

23  
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25X1D

SOVIET UNION  
MISSILE RANGES

25X1D

SARY-SHAGAN SUSPECT ELECTRONICS FAC

45-52-//N 073-31-//E

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:  
UNIDENTIFIED RANDOM SCARRING AND ADDITIONAL EXCAVATION HAVE  
OCCURRED AT THE SOUTHERN LINEAR TRENCH. AT THE NEW AREA OF  
ACTIVITY NORTH OF THE NORTHERNMOST LINEAR TRENCH, THREE  
BUILDING FOUNDATIONS WERE WITHIN THE AREA ENCLOSED BY THE SCARS  
FOR THE PROBABLE FIVE-SIDED SECURITY FENCE.

25X1D

25X1D

SARY-SHAGAN TRACKING FACILITY 10

46-57-//N 072-32-//E

25X1A

STATUS: UNKNOWN

REMARKS:  
WORK APPEARED TO BE CONTINUING ON THE ROOF OF THE HEN EGG RADAR  
CONTROL BUILDING. UNIDENTIFIED ACTIVITY WAS IN PROGRESS ON THE  
ROOF OF THE OPERATIONS BUILDING ADJACENT TO THE HEN EGG CONTROL  
BUILDING.

25X1D

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25X1A

SOVIET UNION  
MISSILE RANGES

25X1D

25X1D

25X1D

SARY-SHAGAN TRACKING FACILITY 8  
[REDACTED] NAC

46-55- [REDACTED] N 070-50- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

25X1D TWO PROBABLE LAUNCHERS WERE ON THE FIRING LINE AT THE FIELD  
LAUNCH SITE JUST SOUTH OF THE TRACKING FACILITY.

25X1D

25X1A

25X1D

25X1D

TYURATAM MISSILE TEST CENTER  
[REDACTED]

45-56- [REDACTED] N 063-28- [REDACTED] E

STATUS: OPERATIONAL

25X1A

25X1D

REMARKS:  
COMPLETE PHOTOGRAPHIC COVERAGE OF THE TEST CENTER WAS OBTAINED  
[REDACTED] EXCEPT FOR PARTIAL COVERAGE OF LAUNCH COMPLEX B,  
LAUNCH GROUP I, AND THE SUPPORT FACILITIES ALONG THE ROAD  
BETWEEN THE MAIN SUPPORT BASE AND THE RANGEHEAD.

THE PROBABLE FIRST STAGE OF A MISSILE WAS IN A HORIZONTAL  
POSITION NEXT TO THE ERECTOR ON LAUNCH PAD C3, LAUNCH COMPLEX  
C. A POSSIBLE NEW ASSEMBLY AND CHECKOUT BUILDING WAS UNDER  
CONSTRUCTION IN THE MISSILE CHECKOUT AREA (WEST), WHICH SERVES  
LAUNCH COMPLEXES C, H, AND D. AT LAUNCH SITE D2, LAUNCH  
COMPLEX D, THE SOUTHERN SILO DOOR WAS OPEN. SS-9 GROUND  
SUPPORT EQUIPMENT WAS STILL PRESENT IN LAUNCH COMPLEX E. AN  
SS-9 AIRFRAME WAS IN A HORIZONTAL POSITION ON LAUNCH PAD G1-B,  
LAUNCH AREA G1. NO SIGNIFICANT CHANGES WERE OBSERVED AT THE  
UNIDENTIFIED FACILITY UNDER CONSTRUCTION ADJACENT TO G1. IN  
LAUNCH AREA G3-G4, THE GANTRY WAS AT THE EDGE OF LAUNCH PAD G3.  
IN LAUNCH GROUP I, THE NORTH AND SOUTH SILO DOORS WERE OPEN AT  
LAUNCH SITE I7, AND PROBABLE TRUCK-MOUNTED CRANES WERE AT EACH  
OF THE SILO APERTURES. LAUNCH PAD J2 WAS UNOCCUPIED ALTHOUGH  
THE SERVICE TOWER WAS ROTATED TO THE FORWARD POSITION. TWO  
TRANSPORTER ERECTORS WERE PARKED AT THE NORTH END OF THE  
VEHICLE ASSEMBLY BUILDING IN LAUNCH COMPLEX J. IN LAUNCH GROUP  
L, A PROBABLE MISSILE TRANSPORTER WAS AT LAUNCH SITE L1. A  
MISSILE LOADING EXERCISE WAS UNDERWAY AT LAUNCH SITE L7. IN  
LAUNCH GROUP N, THE TOP OF A CANISTER WAS VISIBLE IN THE SILO  
AT LAUNCH SITE N2. IN LAUNCH GROUP Q, LAUNCH SITE Q2 HAS

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SOVIET UNION  
MISSILE RANGES

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REACHED A LATE STAGE OF CONSTRUCTION. THE FIVE OTHER SITES IN  
LAUNCH GROUP Q WERE STILL IN A MIDSTAGE OF CONSTRUCTION. NO  
SIGNIFICANT ACTIVITY WAS OBSERVED AT LAUNCH COMPLEXES A, F, AND  
H, LAUNCH AREA G5-G6, OR LAUNCH GROUPS K, O, AND P.

25X1D

25X1D

25X1D

25X1D

25X1D

25X1A

45-42- N 063-20- E

TYURATAM SPACE TRACKING FACILITY

25X1A

STATUS: UNDER CONSTRUCTION

25X1D

25X1D

REMARKS:  
AN ENVIRONMENTAL SHELTER OR RADOME WAS BEING CONSTRUCTED AROUND  
THE BASE OF THE DISH. THE UPPER HALF OF  
THE RADOME AND THE CAPPING SECTION WERE ADJACENT TO THE DISH.  
THE ANTENNA HAS STILL NOT BEEN INSTALLED ON THE SECOND LARGE  
PEDESTAL. APPROXIMATELY 35 VEHICLES OR PIECES OF EQUIPMENT  
WERE PARKED IN THE SE CORNER OF THE FACILITY.

ASSOCIATED OBJECTS:  
35 VEHICLES OR PIECES OF  
EQUIPMENT

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1A

25X1D

46-27-//N 072-44-//E

SARY-SHAGAN MRBM IMPACT AREA 3

STATUS: UNKNOWN

25X1A

25X1D

REMARKS:  
NO MISSILE IMPACT CRATERS WERE IDENTIFIED.

25X1D

HANDLE VIA  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

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25X1A

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HANDLE VIA  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TOP SECRET RUFF

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TCS-20345/70 - IPIR 11  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

ASHULUK SAM FIRING RANGE

25X1A

47-25- N 048-03- E

STATUS: OPERATIONAL

REMARKS:

ALL OF THE LAUNCH SITES ON THE FIRING LINE AND ALL OF THE MAJOR SUPPORT FACILITIES WERE COVERED. ACTIVITY APPEARED TO BE HIGH AT THE LAUNCH SITES. NUMEROUS UNIDENTIFIED PIECES OF EQUIPMENT WERE SCATTERED THROUGHOUT THE ENTIRE AREA.

OCCUPANCY OF THE LAUNCH SITES WAS AS FOLLOWS --

C08L02 - OCCUPIED  
C08K02 - OCCUPIED  
C08J02 - OCCUPIED  
C08I02 - OCCUPIED  
C08H02 - OCCUPIED  
C08G02 - OCCUPIED  
C08F02 - OCCUPIED  
C08E02 - OCCUPIED  
C08D02 - OCCUPIED  
C08C02 - OCCUPIED  
C08B02 - OCCUPIED  
C08A03 - OCCUPIED  
C08 03 - OCCUPIED  
C08A02 - OCCUPIED  
C08 02 - OCCUPIED  
C07D02 - OCCUPIED  
C07C02 - OCCUPIED  
C07B02 - UNOCCUPIED  
C07A02 - UNOCCUPIED  
C07 02 - UNOCCUPIED

25X1D

25X1D

25X1D

25X1D

BERDYANSK SAM SITE A30-2

46-47- N 036-41- E

STATUS: OCCUPIED

25X1A

25X1A

REMARKS:

ONE SUPPORT BUILDING IS SEPARATELY SECURED BY A PROBABLE WOOD

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25X1D

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HANDLE VIA TOP SECRET RUFF  
TALENT-REF HOLE Approved For Release 2000/04/17 : CIA-RDP78T04562A001000010014-2  
CONTROL SYSTEM ONLY

TCS-20345/70 - IPIR 11  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D

KHASAVYURT SAM SITE A28-2  
NAC

25X1A 25X1D 25X1D  
43-16- N 046-26- E

STATUS:OCCUPIED

25X1D

25X1D

KIROVABAD SAM SITE A10-2 25X1A

25X1D  
40-40- N 046-28- E 25X1A

25X1D

STATUS:UNOCCUPIED

PHYSICAL DESCRIPTION:

5 NM EAST OF KIROVABAD.

THE SITE IS OF IRREGULAR CONFIGURATION AND CONSISTS OF SIX  
RENETTED LAUNCH POSITIONS, A RENETTED GUIDANCE AREA, AND ONE  
RENETTED MISSILE-HOLD POSITION.

25X1D

25X1D 25X1D

25X1D KIROVABAD SAM SUPPORT FACILITY  
NAC

25X1A 40-34- N 046-18- E

25X1D STATUS:OPERATIONAL

25X1D

25X1D 25X1D

KURGANCHA SAM SITE B04-2  
NAC

25X1A 39-47- N 066-05- E

STATUS:OCCUPIED

25X1D

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25X1A

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HANDLE VIA TOP SECRET RUFF  
TALENT-KEYHOLE Approved For Release 2000/04/17 : CIA-RDP78T04562A001000010014-2  
CONTROL SYSTEM ONLY

TCS-20345/70 - IPIR 11  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D

25X1D

25X1D

25X1A

25X1A

25X1D

SARY-SHAGAN SAM COMPLEX D19-5

45-36- N 072-34- E

STATUS:OCCUPIED

25X1D

REMARKS:

NO MAJOR CONSTRUCTION PROGRESS HAS BEEN NOTED SINCE MISSION  
DOLLY TRACKS WERE UNDER CONSTRUCTION AT  
LAUNCH POSITIONS C4, C5, AND C6 AT LAUNCH SITE C. ONLY LAUNCH  
POSITIONS 4, 5, AND 6 AT LAUNCH SITE A, RADAR POSITION A IN THE  
TRACKING AND GUIDANCE FACILITY, AND THE AIR WARNING RADAR  
FACILITY WERE OCCUPIED.

25X1D

25X1D

25X1A

25X1D

25X1D

TAPA SAM SITE B03-3  
NAC

59-30- N 026-13- E

STATUS:OCCUPIED

25X1D

25X1D

25X1A

25X1D

25X1D

TAPA SAM SUPPORT FACILITY  
NAC

59-17- N 026-02- E

STATUS:OPERATIONAL

25X1D

25X1D

25X1A

25X1D

TBILISI SAM SITE A32-2  
NAC

41-47- N 044-42- E

25X1D

STATUS:OCCUPIED

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25X1D

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HANDLE VIA TOP SECRET RUFF  
TALENT-Approved For Release 2000/04/17 : CIA-RDP78T04562A001000010014-2  
CONTROL SYSTEM ONLY

TCS-20345/70 - IPIR 11  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D  
[REDACTED]

25X1D  
TBILISI SAM SITE D10-2  
[REDACTED] NAC

25X1D 25X1D  
25X1A 41-40- [REDACTED] N 045-28- [REDACTED] E  
[REDACTED]

STATUS:UNOCCUPIED

PHYSICAL DESCRIPTION:

30 NM EAST OF TBILISI.

THE SITE CONSISTS OF SIX REVETTED LAUNCH POSITIONS, A REVETTED GUIDANCE AREA, AND THREE REVETTED MISSILE-HOLD POSITIONS. THE SITE WAS PROBABLY UNOCCUPIED.

25X1D

[REDACTED]

25X1D  
TBILISI SAM SUPPORT FACILITY  
[REDACTED] NAC

25X1D 25X1D  
25X1A 41-37- [REDACTED] N 044-52- [REDACTED] E  
[REDACTED]

25X1D STATUS:OPERATIONAL

[REDACTED]

25X1D  
VERESHCHAGINO SAM SITE A25-2  
[REDACTED] NAC

25X1A 58-04- [REDACTED] N 054-33- [REDACTED] E  
[REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D  
YEREVAN SAM SITE B07-2  
[REDACTED] NAC

25X1A 40-15- [REDACTED] N 044-43- [REDACTED] E  
[REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

HANDLE VIA TOP SECRET RUFF  
TALENT-Approved For Release 2000/04/17 : CIA-RDP78T04562A001000010014-2  
CONTROL SYSTEM ONLY

TCS-20345/70 - IPIR 11  
KH-4 MISSION 1111

SOVIET UNION  
AIR DEFENSE MISSILES

25X1D

25X1D

25X1D

YEREVAN SAM SITE B16-2  
[REDACTED] NAC

25X1A 40-00- [REDACTED] N 044-37- [REDACTED] E

STATUS:OCCUPIED

25X1D

25X1A

25X1D

25X1D

25X1D YEREVAN SAM SITE B33-2

25X1A

40-19- [REDACTED] N 044-22- [REDACTED] E

STATUS:OCCUPIED

REMARKS:

THE SITE CONSISTS OF SIX REVETTED DRIVE-THROUGH LAUNCH  
POSITIONS, A BUNKERED GUIDANCE AREA, AT LEAST TWO MISSILE-HOLD  
BUILDINGS, AND AN ONSITE SUPPORT AREA WITH FIVE SUPPORT  
BUILDINGS.

25X1D

25X1D

25X1D

25X1D 25X1A

YEREVAN SAM SITE C29-2 25X1A

40-16- [REDACTED] N 044-03- [REDACTED] E

STATUS:UNOCCUPIED

REMARKS:

THE SITE CONSISTS OF SIX REVETTED DRIVE-THROUGH LAUNCH  
POSITIONS, A REVETTED GUIDANCE AREA, AND AT LEAST THREE  
MISSILE-HOLD POSITIONS.

25X1D

25X1D

25X1D

25X1A

25X1D YEREVAN SAM SUPPORT FACILITY  
[REDACTED] NAC

40-12- [REDACTED] N 044-22- [REDACTED] E

STATUS:OPERATIONAL

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25X1D

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HANDLE VIA Approved For Release 2000/04/17 : CIA-RDP78T04562A001000010014-2  
TOP SECRET RUFF  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TCS-20345/70 - IPIR 11  
KH-4 MISSION 1111

SOVIET UNION  
COMM/J/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1A

25X1D

25X1D

KONSTANTINOGRADOVKA RADCOM FAC

50-30- N 128-18- E

STATUS: UNDER CONSTRUCTION

25X1D

25X1D PHYSICAL DESCRIPTION: 25X1D  
3.2 NM NNE OF KONSTANTINOGRADOVKA. THIS UNSECURED FACILITY  
CONTAINS A LARGE CENTRAL CONTROL BUILDING  
AND FIVE SUPPORT BUILDINGS. THE ANTENNA FIELD  
CONTAINS A LINEAR ARRAY UNDER CONSTRUCTION WHICH WILL CONSIST  
OF 27 TOWERS WHEN COMPLETED AND A TALL VERTICAL RADIATOR. THE  
PROPAGATION AZIMUTH OF THE LINEAR ARRAY COULD NOT BE DETERMINED  
BECAUSE OF THE EARLY STAGE OF CONSTRUCTION. THE ORIENTATION OF  
THE ARRAY IS DEGREES NE, DEGREES SW.

25X1D

25X1D

(SEE ATTACHMENT)

25X1D

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25X1A

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## **Attachments**



Handle Via  
Talent-KEYHOLE  
Control System Only

TOP SECRET RUFG  
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KH-4 MISSION 1111, 23 JULY - 10 AUGUST 1970

TCS-20345/70  
ATTACHMENT 1



KONSTANTINOGRADOVKA RADCOM FACILITY, USSR

25X1D

25X1A

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TOP SECRET RUFG

Handle Via  
Talent-KEYHOLE

**TOP SECRET**

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**TOP SECRET**